

IN THE CLAIMS

Please amend the claims to read as follows wherein changes in a claim are shown by strikethrough for deleted matter and underlining for added matter:

1. (Currently amended) An assembly for performing parallel chemical experiments, ~~in particular crystallisation experiments~~; said assembly comprising:

- a main body having a first and a second face on opposite sides thereof, multiple bores extending through said main body between said first and second face,

- liners each having an opening at the first face of the main, each liner removably fitting in a bore in the main body, the liners are each provided at the first face of the main body with at least one outwardly directed support projection, and the bores in the main body are each provided with a corresponding recess for receiving the support projection, and

- first closure means for closing the openings of the liners at the first face of the main body, which first closure means comprise one or more elastic first sealing members and a first cover plate, so that said first sealing members are interpositioned between the ends of the liners and the first cover plate,

said first closure plate being fastenable to said main body, so that a closed experimentation chamber is defined within each liner,

wherein the liners are tubular liners, each liner also having openings at opposite ends thereof, and wherein second closure means are provided for closing the openings of the liners at the second face of the main body, said second closure means comprising one or more second elastic sealing members and a second cover plate which is fastenable to

the main body, so that said second sealing members are interpositioned between the ends of the tubular liners and the second cover plate.

2. (Previously presented) Assembly according to claim 1, wherein said first closure means comprise multiple first sealing members, each first sealing member engaging an end face of a liner.

3. (Previously presented) Assembly according to claim 2, wherein at least one of the first face of the main body and the first cover plate is provided with recesses at the locations of the liner ends for receiving a first sealing member.

4. (Previously presented) Assembly according to claims 1, wherein said second closure means comprise multiple sealing members, each second sealing member engaging an end face of a liner.

5. (Previously presented) Assembly according to claim 4, wherein at least one of the second face of the main body and the second cover plate is provided with recesses at the locations of the liner ends for receiving a second sealing member.

6. (Previously presented) Assembly according to claim 1, wherein at least one of the first and the second cover plate is provided with bores extending in line with the bores of the main body, and wherein at least one of the first and second sealing members are pierceable.

7. (Currently amended) A method for performing parallel chemical experiments, in particular crystallisation experiments, wherein use is made of a system comprising:

- an assembly for performing parallel chemical experiments, in particular crystallisation experiments, said assembly comprising:

- a main body having a first and a second face on opposite sides thereof, multiple bores extending through said main body between said first and second face,
- tubular liners having openings at opposite ends thereof, each liner removably fitting in a bore in the main body,
- first closure means for closing the openings of the liners at the first face of the main body,
- second closure means for closing the openings of the liners at the second face of the main body, and
- said first and second closure means being fastenable to said main body, so that an experimentation chamber is defined within each liner,

and

- a filtration device having channels with inlets corresponding to the bores in the main body of the experimentation assembly and a filter in each channel, so that after removal of the top cover plate of the experimentation assembly when in horizontal position and of the associated at least one sealing member said filtration device is brought against the top face of the main body, after which said system is reversed and the contents of the experimentation chambers enters said channels in the filtration device and is filtered. which method comprises the steps of:

- removing of the top cover plate of the experimentation assembly when in horizontal position and of the associated at least one sealing member,
- bringing said filtration device against the top face of the main body, and
- subsequently reversing said system such that the contents of the experimentation chambers enters said channels in the filtration device and is filtered.

8. (Previously presented) A method according to claim 7, wherein said channels in said filtration device have outlets and wherein said system further comprises a collecting device having collecting chambers with inlets corresponding to the outlets of the filtration device, such that the filtered contents of the experimentation chambers enters said collecting chambers.

9. (Currently amended) A method according to claim 7, wherein the parallel chemical experiments are crystallisation experiments and crystallisation is effected in the experimentation chambers.

10.-12. (Cancelled)

13. (Currently amended) Method for performing parallel chemical experiments, ~~in particular crystallisation experiments,~~ wherein use is made of an assembly according to claim 1.

14. (Previously presented) Use of an assembly according to claim 1 for solid form screening of molecules.

15. (Previously presented) Use of an assembly according to claim 14, wherein the solid form screening of molecules is for active pharmaceutical ingredients.

16. (Previously presented) Use of an assembly according to claim 14, wherein the solid form screening of molecules is selected from the group consisting of salt screening, polymorph screening, and enantiomer separation screening.

17.-38. (Cancelled)

39. (New) Assembly according to claim 1, wherein the parallel chemical experiments are crystallisation experiments.

40. (New) A method according to claim 7, wherein:

- the main body of said assembly for performing parallel chemical experiments is a solid body of a heat conducting material, and
- at least one of the first and second closure means comprise sealing members which are pierceable, and

said method further comprising the steps of:

- heating the content in the experimentation chambers using heating means, wherein said heating means are mounted in contact with at least one of said main body and

cover plate, thereby creating a vapor in at least one of the experimentation chambers,
and

- discharging said vapor from the system using a vapor discharge assembly, said vapor discharge assembly comprising multiple hollow needle members, each adapted to be pierced through a sealing member so that vapor discharges via said hollow needle members.

41. (New) A method according to claim 40, wherein said needle members are upwardly directed and arranged to pierce through the sealing members sealing the bottom face of the experimentation assembly in horizontal orientation.

42. (New) A method according to claim 40, wherein the system that is used further comprises a feed assembly for feeding a substance into the experimentation chambers, said feed assembly comprising at least one hollow needle member adapted to be pierced through a sealing member.

43. (New) An assembly for performing parallel chemical experiments, said assembly comprising:

- a main body having a first and a second face on opposite sides thereof, multiple bores extending through said main body between said first and second face,
- liners each having an opening at the first face of the main body, each liner removably fitting in a bore in the main body,

- first closure means for closing the openings of the liners at the first face of the main body, which first closure means comprise one or more elastic first sealing members and a first cover plate, so that said first sealing members are interpositioned between the ends of the liners and the first cover plate,

said first closure plate being fastenable to said main body, so that a closed experimentation chamber is defined within each liner,

wherein the liners are tubular liners, each liner also having openings at opposite ends thereof, and wherein second closure means are provided for closing the openings of the liners at the second face of the main body, said second closure means comprising one or more second elastic sealing members and a second cover plate which is fastenable to the main body, so that said second sealing members are interpositioned between the ends of the tubular liners and the second cover plate, and

- a filtration device, separate from the main body, said filtration device comprising a plate having multiple channels, with inlets corresponding to the bores in the main body of the experimentation assembly and a filter in each channel.

44. (New) Assembly according to claim 43, wherein the liners are each provided at the first face of the main body with at least one outwardly directed support projection, and the bores in the main body are each provided with a corresponding recess for receiving the support projection.

45. (New) Assembly according to claim 43, wherein the parallel chemical experiments are crystallisation experiments.